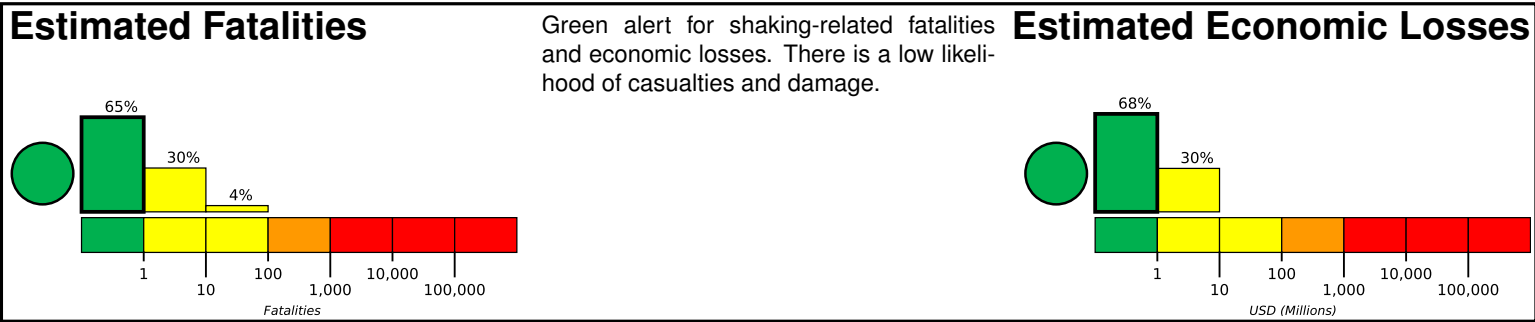


M 6.0, 83 km WSW of Vallenar, Chile

Origin Time: 2024-02-14 01:31:41 UTC (Tue 22:31:41 local)
Location: 28.9162° S 71.5264° W Depth: 22.4 km

PAGER Version 2

Created: 2 hours, 5 minutes after earthquake

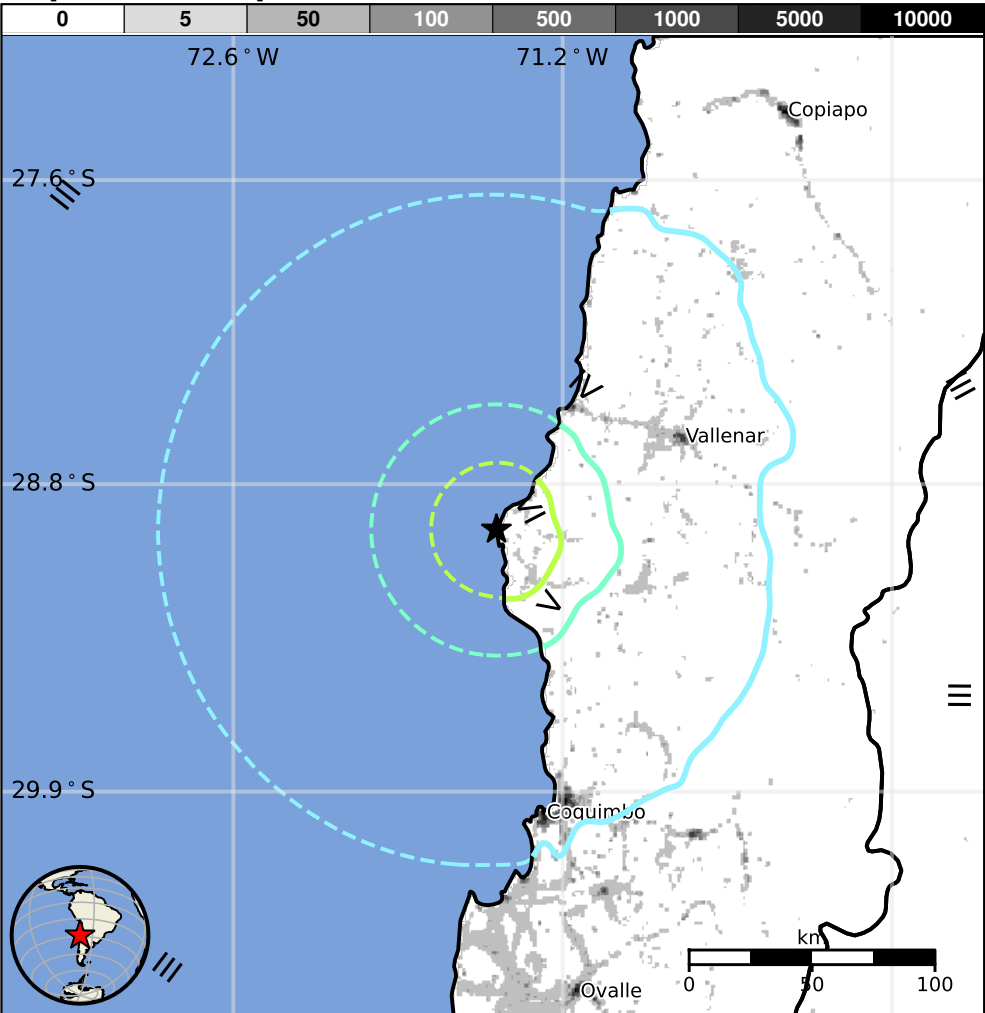


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	349k*	558k	3k	3k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-10-04	282	7.6	VII(30k)	5
1975-03-13	111	6.9	VIII(266k)	2
1997-10-15	222	7.1	VIII(3k)	7

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
IV	Vallenar	45k
IV	La Serena	155k
IV	Coquimbo	161k
III	Vicuna	13k
III	Vallenar	<1k
III	Ovalle	77k
III	Copiapo	129k